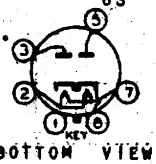
6X5
6X5-GT/G

6X5, 6X5-GT/G

FULL-WAVE HIGH-VACUUM RECTIFIER

Heater	Coated Unipotential Cathode		
Voltage	6.3		a-c or d-c volts
Current	0.6		amp.
	6X5	*6X5-GT/G*	
Maximum Overall Length	3-1/4"	3-5/16"	
Maximum Seated Height	2-11/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Base	{Small Wafer {Octal 6-Pin	{Intermed. Sh. {Octal 6-Pin	
Basing Designation	6S	G-6S	
Pin 1	{6X5, Shell {6X5-GT/G, No Con.	Pin 5 - Plate #1	
Pin 2 - Heater		Pin 7 - Heater	
Pin 3 - Plate #2		Pin 8 - Cathode	
Mounting Position		{6X5: Vertical◇ {6X5-GT/G: Any	



BOTTOM VIEW

Maximum Ratings Are Design-Center Values

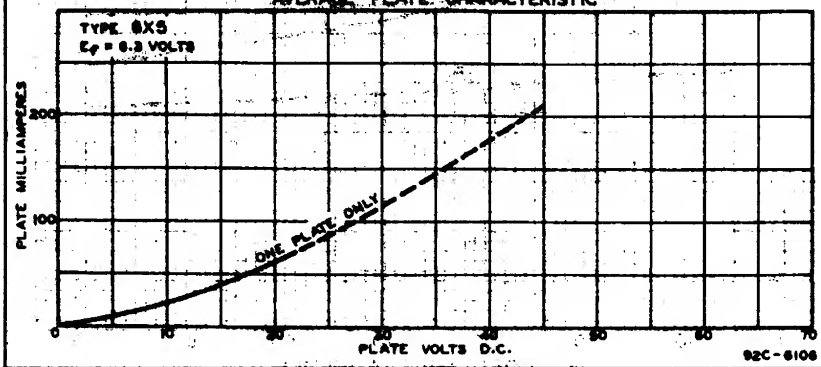
FULL-WAVE RECTIFIER

Peak Inverse Plate Voltage	1250 max.	volts
Peak Plate Current per Plate	210 max.	ma.
D-C Output Current:		
With condenser input to filter	70 max.	ma.
With choke input to filter	70● max.	ma.
D-C Heater-Cathode Potential	450 max.	volts

Typical Operation:	*Condenser-Input Filter*	*Choke-Input Filter*	
A-C Plate-to-Plate Supply Voltage (RMS)	650	900	volts
Filter Input Condenser	4	-	μf
Min. Total Effect. Plate Supply Imped. per Plate	150	-	ohms
Filter Input Choke	-	8	henries
D-C Output Current	70	70	ma.
D-C Voltage (At input to filter):*			
At half-load current (35 ma.)	405	385	volts
At full-load current (70 ma.)	370	380	volts
Difference (Voltage Regulation)	35	5	volts
Percentage Regulation	8.5	1.3	%

◇ Horizontal operation permitted if pins 3 & 5 are in a horizontal plane.
● For choke not less than 8 henries.
* Approximate values.

AVERAGE PLATE CHARACTERISTIC



92C-6106

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

6X5

6X5

OPERATION CHARACTERISTICS